

**A METHOD FOR DYNAMICALLY ALLOCATING A DEVICE IN
AN LPAR SYSTEM**

ABSTRACT OF THE DISCLOSURE

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When resources are reported missing within a system they are logged in a system error log. Specifically, resources that are missing because they have been reassigned from one logical partition (LPAR) within the system to another LPAR are tagged. When diagnostics are run to resolve missing resources, the resource reconfiguration database is queried for all resources that were assigned to LPARs and now are reported as missing and a missing resource List is created. The system error log is searched for resources that are tagged as missing because of reassignment. Any tagged resource and associated child resources of the tagged resource are removed from the missing resource List thereby updating the List. Normal missing resource resolution procedures are run against the updated missing resource List.

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